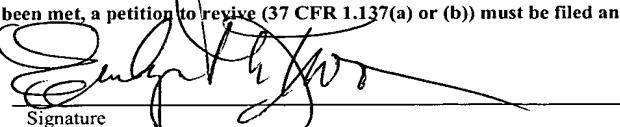


FORM PTO-1390 (REV 10-2004)		ATTORNEY DOCKET NUMBER 2324-6004US1
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.51) TBA 10/562256
INTERNATIONAL APPLICATION PCT/US2004/020026	INTERNATIONAL FILING DATE 23 June 2004	PRIORITY DATE CLAIMED 23 June 2003
TITLE OF INVENTION CARRIER PROTEINS FOR VACCINES		
APPLICANT(S) FOR DO/EO/US John KIM and Francis J. MICHON		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)).</p> <p>4. <input checked="" type="checkbox"/> The US has been elected. (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11. to 20. below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98; PTO-1449A; PTO-1449B; and a copy of all cited references (7 references).</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or Information: Published Application with the International Search Report; Notification of Transmittal of the International Search Report and International Search Report and The Written Opinion; Written Opinion; and Notification of Receipt of Record Copy, and Return Receipt Postcard.</p>		

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.6.5) TBA 10/562256		INTERNATIONAL APPLICATION NO. PCT/US2004/020026		ATTORNEY'S DOCKET NO. 2324-6004US1	
				CALCULATIONS	PTO USE ONLY
The following fees have been submitted					
21. <input checked="" type="checkbox"/> Basic national fee \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100 All other situations \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared and provided to the Office \$400 All other situations \$500				\$ 400.00	
TOTAL OF 21, 22 and 23 =				\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
42- 100 =	0/50 =			x \$250.00	\$ 0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		\$
Total claims	15-20	--	x \$50.00		\$ --
Independent claims	3-3	--	x \$200.00		\$ --
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	\$ --
TOTAL OF ABOVE CALCULATIONS =				\$900.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½ .				\$	
				SUBTOTAL =	\$900.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+ \$900.00	
				TOTAL NATIONAL FEE =	\$
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+ \$	
				TOTAL FEES ENCLOSED =	\$
				Amount to be refunded:	
				Amount to be charged:	\$900.00
a. <input type="checkbox"/> A check in the amount of \$ to cover the above fees is enclosed.					
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-4500 (2324-6004US1)</u> in the amount of \$900.00 to cover the above fees.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-4500 (2324-6004US1)</u> . A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-203.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: CUSTOMER NO. 27123					
 Signature					
MORGAN & FINNEGAN LLP 3 World Financial Center New York, New York 10281-2101 212 415 8700 Telephone 212 415 8701 Fax					
Evelyn M. Kwon Name					
54,246 REGISTRATION NUMBER					

27123

↑CUSTOMER NUMBER↑

10/1562256

Docket No. 2324-6004US1

IN THE UNITED STATES

RECEIVING OFFICE (RO/US)
 DESIGNATED OFFICE (DO/US)
 ELECTED OFFICE (EO/US)

IAP20 Rec'd PCT/PCTO 21 DEC 2005

INTERNATIONAL APPLICATION
PCT/US2004/020026

INTERNATIONAL FILING DATE
23 June 2004

PRIORITY DATE CLAIMED
23 June 2003

TITLE OF INVENTION
CARRIER PROTEINS FOR VACCINES
APPLICANT(S) FOR DO/EO/US
John KIM and Francis J. MICHON

MAIL STOP PCT
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Attention: DO/EO/US

**VERIFIED CERTIFICATION OF EXPRESS MAILING DATE
(INTERNATIONAL APPLICATION (37 CFR 1.10(c)))**

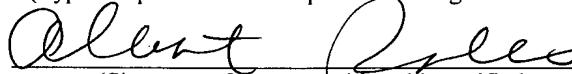
I declare that on **December 21, 2005** I deposited with the United States Postal Service in an envelope "Express Mail, Post Office to Addressee", bearing Label Number **EV 498835507 US**, addressed to "Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Attention: DO/EO/US and having an express mail certification which I executed, the following papers:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. § 371, duly executed (2 pages);
2. A copy of Published PCT application with the International Search Report– publication number WO 2005/000346 A1, published on January 6, 2005;
3. Other Items: Published Application with the International Search Report; Notification of Transmittal of the International Search Report and International Search Report and The Written Opinion; Written Opinion; and Notification of Receipt of Record Copy;
5. Information Disclosure Statement (1 page);
6. Form PTO-1449 A (1 page) and Form PTO-1449 B (1 page) with copies of all seven (7) items listed thereon; and
7. Return receipt postcard.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Albert Isles

(Typed or printed name of person making this verified statement)



(Signature of person making this verified statement)

December 21, 2005

Date

(Verified Certification of Express Mailing Date (International Application) [13-12])